

Permit to Operate

FACILITY: N-645

EXPIRATION DATE: 11/30/200

LEGAL OWNER OR OPERATOR: POSDEF POWER COMPANY, L.P.

MAILING ADDRESS: 2526 W. WASHINGTON ST.
STOCKTON, CA 95203

FACILITY LOCATION: 2526 W. WASHINGTON ST.
STOCKTON, CA 95203

FACILITY DESCRIPTION: POWER GENERATION FACILITY

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-0-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; San Joaquin County Rule 110; and PSD ATC SJ 85- 05], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; San Joaquin County Rule 110; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and San Joaquin County Rule 201], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031 and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and Support information for a period of at least five years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every Six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including Deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8 and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1 and PSD ATC SJ 85- 05], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2 and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3 and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4 and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, San Joaquin County Rule 401, and 40 CFR 60.252(c)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8050 unless specifically exempted under section 4 of Rule 8050. [District Rule 8050], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Equipment covered by this permit shall at all times be maintained in good working order and be operated as efficiently as possible so to minimize air pollutant emissions. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
39. In the event of changes in control or ownership, this Operating Permit shall be binding on new owners and operators. The applicant shall notify successor of the existence of this Operating Permit and its conditions in writing and forward a copy to the District, California Air Resources Board, and EPA. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
40. The applicant shall construct and operate the facility in compliance with all other applicable provisions of 40 CFR Parts 52, 60 & 61 and all other applicable Federal, State and District air quality regulations. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
41. All correspondence as required by this Operating Permit shall be forwarded to: the District; Director, Air & Toxics Div. (Attn: A-3), EPA Region 9, 75 Hawthorne St. San Francisco, CA 94105; and Director, Stationary Source Div., CARB, Box 2815, Sacramento, CA 95812. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
42. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
43. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68], [Federally Enforceable Through Title V]
44. On April 13, 2001, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-2-2

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE RECEIVING, HANDLING AND STORAGE CONSISTING OF A TRUCK DUMP HOPPER, SILO FEED CONVEYOR, AND A 2,500 TON STORAGE SILO VENTED TO A BAGHOUSE. THE SILO FEED CONVEYOR IS ALSO SERVED BY A COAL TRANSFER SYSTEM OPERATED BY THE PORT OF STOCKTON.

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
4. There shall be no visible emissions from the baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
5. The silo shall be totally enclosed except for vents through a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
6. The baghouse shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
7. The PM10 emissions from storage silo shall not exceed 0.1 pounds in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
8. Operational water sprays shall be maintained on both sides of both receiving hoppers and at all other transfer points. [District NSR Rule], [Federally Enforceable Through Title V]
9. All conveyor transfer points shall be enclosed. [District NSR Rule], [Federally Enforceable Through Title V]
10. For truck unloading, the ratio of surface active agent to water shall be no less than 1:3500 by volume. [District NSR Rule], [Federally Enforceable Through Title V]
11. For truck unloading, the solution supply at the inlet to the nozzles shall be equipped with an operational flow meter. The flow meter shall have a totalizer. [District NSR Rule], [Federally Enforceable Through Title V]
12. The sprays control system for truck unloading shall be operated so as to limit fugitive and visible emissions. Whenever visible fugitive dust emissions are observed the spray system shall immediately be turned on, and remain on throughout the truck unloading operation. [District NSR Rule], [Federally Enforceable Through Title V]
13. The receiving hoppers shall be maintained at the full level at all times. The belt shall be stopped automatically as soon as the dump truck is empty and the flow of the material to the receiving hoppers has ceased. [District NSR Rule], [Federally Enforceable Through Title V]
14. Coal/coke shall be choke fed into the receiving hoppers at all times, except for immediately after the start of unloading. [District NSR Rule], [Federally Enforceable Through Title V]
15. The coal/coke dumping process shall be limited to bottom dump trucks with automatic discharge gates. The discharge gates shall be open to the maximum opening position to assist in choke feeding. [District NSR Rule], [Federally Enforceable Through Title V]
16. All conveyors shall be covered. [District NSR Rule], [Federally Enforceable Through Title V]
17. When spray system is being used, a minimum of 2.5 gallons of wetting solution shall be sprayed per ton of coal/coke unloaded at the coal/coke station. This condition does not apply to coal/coke received through the rail car unloading system. [District NSR Rule], [Federally Enforceable Through Title V]
18. The PM10 emissions from the truck unloading shall not exceed 0.5 pounds in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
19. The baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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20. Bags shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Visible emissions from baghouse shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further unloading. Corrective action means that visible emissions are eliminated before next unloading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
24. Permittee shall monitor the wetting solution spray rate during truck unloading at least quarterly and permittee shall also inspect weekly for spray nozzles malfunction and repair as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-3-3

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

BOILER #A COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; THE DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER.

PERMIT UNIT REQUIREMENTS

1. The surge bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule], [Federally Enforceable Through Title V]
2. The day bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule], [Federally Enforceable Through Title V]
3. The bin vent dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
4. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
5. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
6. The dust collectors shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
7. The surge bin daily throughput shall not exceed 1,200 tons of solid fuel in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
8. The solid fuel scalper/splitter screens shall be totally enclosed. [District NSR Rule], [Federally Enforceable Through Title V]
9. The PM10 emissions from the scalper/splitter shall not exceed 8.3E-5 pounds per ton of solid fuel processed. [District NSR Rule], [Federally Enforceable Through Title V]
10. There shall be no visible emissions from the all conveyors and transfer points. [District NSR Rule], [Federally Enforceable Through Title V]
11. The dryer exhaust shall be ducted to the boilers' freeboard. [District NSR Rule], [Federally Enforceable Through Title V]
12. All transfer points in the dryer feed and discharge shall be totally enclosed and non-vented. [District NSR Rule], [Federally Enforceable Through Title V]
13. The coal/coke processed in the two dryers of N-645-3 and N-645-4 shall not exceed 700 tons in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
14. Permittee shall maintain records indicating the amount of solid fuel processed through the dryers, and the amount of solid fuel transported from the surge bin on daily basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Dust collector system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Dust collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Records of dust collector system maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual Performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-4-3

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

BOILER #B COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; THE DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER.

PERMIT UNIT REQUIREMENTS

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1. The surge bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The day bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule], [Federally Enforceable Through Title V]
 3. The bin vent dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
 5. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
 6. The dust collectors shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
 7. The surge bin daily throughput shall not exceed 1,200 tons of solid fuel in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 8. The solid fuel scalper/splitter screens shall be totally enclosed. [District NSR Rule], [Federally Enforceable Through Title V]
 9. The PM10 emissions from the scalper/splitter shall not exceed 8.3E-5 pounds per ton of solid fuel processed. [District NSR Rule], [Federally Enforceable Through Title V]
 10. There shall be no visible emissions from the all conveyors and transfer points. [District NSR Rule], [Federally Enforceable Through Title V]
 11. The dryer exhaust shall be ducted to the boilers' freeboard. [District NSR Rule], [Federally Enforceable Through Title V]
 12. All transfer points in the dryer feed and discharge shall be totally enclosed and non-vented. [District NSR Rule], [Federally Enforceable Through Title V]
 13. The coal/coke processed in the two dryers of N-645-3 and N-645-4 shall not exceed 700 tons in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 14. Permittee shall maintain records indicating the amount of solid fuel processed through the dryers, and the amount of solid fuel transported from the surge bin on daily basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 15. Dust collector system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 16. Dust collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 17. Records of dust collector system maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual Performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 18. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 19. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-5-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE SURGE BIN #1 *** THIS PERMIT IS COMBINED WITH N-645-3-1 ***

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
4. There shall be no visible emissions from the baghouse. []
5. The surge bin shall be totally enclosed except for vents through a baghouse. []
6. The baghouse shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. []
7. The daily throughput shall not exceed 1,200 tons in any one day. []

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-6-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE SURGE BIN #2 *** THIS PERMIT IS COMBINED WITH N-645-4-1 ***

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
4. There shall be no visible emissions from the baghouse. []
5. The surge bin shall be totally enclosed except for vents through a baghouse. []
6. The baghouse shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. []
7. The daily throughput shall not exceed 1,200 tons in any one day. []

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-7-3

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE CONVEYING SYSTEM SERVED BY THE 2,500 TON MAIN STORAGE SILO AND SERVING THE DAY BINS FOR BOILERS #A & #B. THE SYSTEM INCLUDES A CRUSHER BUILDING CONTAINING TWO CRUSHERS AND SCREENS, AND ASSOCIATED CONVEYING EQUIPMENT VENTED TO A BAGHOUSE.

PERMIT UNIT REQUIREMENTS

1. The conveyor belts shall be covered. [District NSR Rule], [Federally Enforceable Through Title V]
2. All transfer points, except the tire derived fuel handling operation, shall be totally enclosed and vented through the fabric filter serving the day bins. The conveyors, conveyor transfer points, and the unloading hoppers of the tire derived fuel receiving and handling operation shall be covered or enclosed. [District NSR Rule], [Federally Enforceable Through Title V]
3. There shall be no visible emissions from the solid fuel transfer points. [District NSR Rule], [Federally Enforceable Through Title V]
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
6. Material removed from dust baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
7. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule], [Federally Enforceable Through Title V]
8. The coal/coke crusher shall be totally enclosed except for vents through a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
9. The maximum coal/coke handled, including the crushing operation, shall not exceed 2,400 tons in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
10. The maximum tire derived fuel received and handled shall not exceed 59.3 tons during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
11. The PM₁₀ emissions from the tire derived fuel receiving and handling operation shall not exceed 0.00055 pounds per ton of tire derived fuel received. [District NSR Rule], [Federally Enforceable Through Title V]
12. Permittee shall maintain the records indicating the amount of each type of solid fuel handled on daily basis. [District NSR Rule], [Federally Enforceable Through Title V]
13. Baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Bags shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual Performing inspection. [District Rule 2520, 9.4.2] Y []
16. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
18. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-8-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:
LIMESTONE RECEIVING SILO #1.

PERMIT UNIT REQUIREMENTS

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1. Limestone shall be received through direct coupled pneumatic unloading truck. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule], [Federally Enforceable Through Title V]
 3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule], [Federally Enforceable Through Title V]
 4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
 5. There shall be no visible emissions from the fabric filter. [District NSR Rule], [Federally Enforceable Through Title V]
 6. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
 7. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
 8. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 10. Records of fabric collector system maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual Performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 11. Visible emissions from the operation shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-9-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:
LIMESTONE RECEIVING SILO #2.

PERMIT UNIT REQUIREMENTS

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1. Limestone shall be received through direct coupled pneumatic unloading truck. [District NSR Rule], [Federally Enforceable Through Title V]
 2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule], [Federally Enforceable Through Title V]
 3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule], [Federally Enforceable Through Title V]
 4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
 5. There shall be no visible emissions from the fabric filter. [District NSR Rule], [Federally Enforceable Through Title V]
 6. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
 7. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
 8. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 9. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 10. Records of fabric collector system maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual Performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 11. Visible emissions from the operation shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
 12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-10-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

3.5 TON LIMESTONE/DAY TANK #1.

PERMIT UNIT REQUIREMENTS

1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
2. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
3. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
4. Limestone shall be transferred through a totally air tight pneumatic transfer system, only. [District NSR Rule], [Federally Enforceable Through Title V]
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
6. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
7. Vent filter system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Vent filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Records of vent filter system maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Visible emissions from the operation shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-11-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

3.5 TON LIMESTONE/DAY TANK #2.

PERMIT UNIT REQUIREMENTS

1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
2. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
3. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
4. Limestone shall be transferred through a totally air tight pneumatic transfer system, only. [District NSR Rule], [Federally Enforceable Through Title V]
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
6. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
7. Vent filter system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Vent filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Records of vent filter system maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Visible emissions from the operation shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-12-2

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

ASH STORAGE AND TRUCK LOADOUT CONSISTING OF ONE 900 TON FLY ASH SILO AND ONE 500 TON BOTTOM ASH SILO ALL VENTED TO A BAGHOUSE.

PERMIT UNIT REQUIREMENTS

1. The bottom ash from the boiler and the fly ash from the baghouse and the economizer shall be transferred to the storage silo only through a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
2. Particulate matter emissions from ash being loaded into trucks shall be mitigated by loading trucks through a telescopic spout or by water sprays. [District NSR Rule], [Federally Enforceable Through Title V]
3. The emissions of the loadout point shall be vented through the ash storage silos. [District NSR Rule], [Federally Enforceable Through Title V]
4. The ash storage silos shall be totally air tight and only vented through a fabric filter. [District NSR Rule], [Federally Enforceable Through Title V]
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
7. The fabric filter shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
8. The water sprays shall be turned on prior to start-up of truck loading activities and shall remain on throughout the process. [District NSR Rule], [Federally Enforceable Through Title V]
9. All water sprays shall be maintained in good working condition. [District NSR Rule], [Federally Enforceable Through Title V]
10. The particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
11. Ash production shall not exceed 120 tons in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Permittee shall maintain a daily ash production log on the premises, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Bags shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual Performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Visible emissions from the baghouse shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]
18. Permittee shall monitor the water spray rate during truck loading to mitigate particulate matter emissions at least quarterly and permittee shall also inspect weekly for spray nozzles malfunction and repair as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-13-0

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

TRUCK LOADOUT *** COMBINED WITH N-645-12-0 ***

PERMIT UNIT REQUIREMENTS

1. The bottom ash from the boiler and fly ash from the fabric filters and the economizer shall be transferred into a storage silo only through a totally air tight pneumatic transfer system. []
2. Particulate matter emissions from ash being loaded into trucks shall be mitigated by loading trucks through a telescopic spout or by water sprays. []
3. The emissions of the loadout point shall be vented through the ash storage silos. []
4. The ash storage silos shall be totally air tight and only vented through a fabric filter equipped with woven fiberglass bags with a PTFE (poly-tetra-fluorethylene) membrane finish, or an equivalent approved by the APCO. []
5. The fabric filter shall have a maximum effective air to cloth ratio of 4.5/1 and shall be equipped with an automatic pulse jet cleaning mechanism. []
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. []
7. A spare set of each type of bags shall be maintained on the premises at all times. []
8. The water sprays shall be turned on prior to start-up of truck loading activities and shall remain on throughout the process. []
9. All water sprays shall be maintained in good working condition. []
10. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark as or darker than Ringelmann 1 or equivalent 20% opacity. []
11. The particulate matter emissions shall not exceed 0.1 gr/scf in concentration. []
12. Daily ash production shall not exceed 120 tons. []
13. All ash handling shall be conducted in accordance with the provisions of all local, State and Federal Hazardous waste management guidelines. []
14. A log of daily ash production shall be kept on the premises at all times and shall be made available for District inspection upon request. []

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-14-5

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #A UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE. THIS BOILER SERVES AN ELECTRIC GENERATOR.

PERMIT UNIT REQUIREMENTS

1. The total net electrical output of the Cogeneration Facility shall not exceed 45 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. [District NSR Rule and the California Health and Safety Code, Section 42314], [Federally Enforceable Through Title V]
2. The operator shall install, continuously operate, and maintain limestone injection for control of SOx emissions. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 degrees Fahrenheit is provided during normal operations. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
3. The boiler shall be equipped with automatic air/fuel ratio control system. [District NSR Rule], [Federally Enforceable Through Title V]
4. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). [District NSR Rule], [Federally Enforceable Through Title V]
5. The flue gas temperature entering the fabric filter shall be maintained at 50 degrees Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
7. Replacement bags numbering at least 10% of the total number of bags in the largest fabric filter using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
8. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
9. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer. [District NSR Rule], [Federally Enforceable Through Title V]
10. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
11. Material removed from the fabric filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
12. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
13. The boiler may be fired on Western United States Coal, Canadian Coal, Petroleum Coke, or tire derived fuel. The boiler may also fire on fuel oil #2, or natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
14. The fuel switch over period is defined as the time the boiler is switched from solid fuel to fuel oil #2 for a period not to exceed 3 consecutive hours per occurrence. At the end of the three hour time limit, if the boiler continues to fire on fuel oil, then the fuel oil #2 emission limits for NOx, and CO will be enforced. [District NSR Rule]
15. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total solid fuels used at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
16. Natural gas or fuel oil #2 shall be used during start-up to heat the boiler to solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
17. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 Btu/hr. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
18. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]

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19. The 3-hour averaging NSR emission limits of this permit shall not apply during startup and shutdown periods as defined in District Rule 4352 - "Solid Fuel Fired Boilers, Steam Generators, and Process Heaters." [District NSR Rule and District Rule 4352], [Federally Enforceable Through Title V]
20. No gases which exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity shall be discharged into the atmosphere from this boiler. [40 CFR 60.42a(b)], [Federally Enforceable Through Title V]
21. The VOC emissions from the entire stationary source shall not exceed 150 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
22. The Particulate Matter emissions shall not exceed 5 pounds per hour. [District NSR Rule & District Rules 4201 & 4301], [Federally Enforceable Through Title V]
23. The PM10 emissions shall not exceed 5 pounds per hour. [District NSR Rule], [Federally Enforceable Through Title V]
24. The SOx emissions shall be more restrictive of all of following: 13.04 lb/hr or 0.29 lb/MMBtu (24-hour average) from each boiler and 26.0 lb/hr (24-hour average) or 50.0 lb/hr (3-hour average) from stack common to both boilers. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
25. When firing on solid fuels or fuel oil #2 during fuel switch over periods, the NOx emissions shall be the more restrictive of all of following: 12.29 lb/hr or 0.04 lb/MMBtu (24-hour average) from each boiler and 42.0 lb/hr or 0.075 lb/MMBtu (3-hour average) from stack common to both boilers. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
26. When firing on fuel oil #2, the NOx emissions shall not exceed 3.13 pounds per hour using a 24 hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
27. NOx emissions from startup duct burners shall not exceed 0.15 lb/MMBtu (3 hour average) when firing on natural gas or distillate fuel oil. [PSD ATC SJ 85-05]
28. When firing on solid fuels or fuel oil #2 during fuel switch over periods, the CO emissions shall not exceed 39.58 pounds per hour using a 24 hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
29. When firing on fuel oil #2, the CO emissions shall not exceed 14.4 pounds per hour using a 24 hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
30. If solid fuel or liquid fuel is used for a period of less than 24 hours (except for fuel switch over periods), the hourly emission limitations for NOx, CO, and SOx shall be determined by averaging the recording points from the continuous emission monitoring system taken during that time period. [District NSR Rule], [Federally Enforceable Through Title V]
31. Performance testing for the NOx, CO, VOC, SOx, and PM10 shall be conducted on an annual basis for combustion of solid fuels. [District NSR Rule & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
32. Performance testing for NOx, SOx, VOC, CO, and PM10 shall also be performed for combustion of fuel oil in any year that the fuel oil consumption rate exceeds 242,900 gallons. [District NSR Rule], [Federally Enforceable Through Title V]
33. Performance testing shall be conducted using following test methods; for NOx EPA Methods 1-4 and 7E or ARB Method 100; for SOx EPA Methods 1-4 and 6C or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM10 EPA Method 201A in combination with EPA Method 202 or ARB Method 501 in combination with ARB Method 5 and EPA Method 5 (Front half only) or CARB Method 5 (excluding ammonia sulfate compounds) for PM; and for VOC EPA Method 25 or ARB Method 100. [District Rule 4352, 6.4; District Rule 2520, 9.4.2; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
34. For performance testing, stack gas velocity and volumetric flow rate shall be measured using EPA method 2 or CARB method 2, stack gas oxygen shall be measured using EPA methods 3 or 3A or CARB method 100, and stack gas moisture content shall be measured using EPA method 4 or CARB method 4. [District NSR Rule], [Federally Enforceable Through Title V]
35. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rule 1081, 3.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
36. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
37. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
38. Performance testing for hourly emission rates for NOx, CO, VOC, SOx, and PM10 shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District NSR Rule and District Rule 1081], [Federally Enforceable Through Title V]
39. In lieu of performing a source test for PM10, the results of the total particulate test may be used for compliance with the PM10 emissions limit. [District NSR Rule], [Federally Enforceable Through Title V]

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40. Operator shall install, operate, and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO_x, SO₂, and CO or O₂ concentrations. For NO_x, SO₂, and CO or O₂ concentrations sampling, analyzing, and data recording cycle shall be completed every successive 15 minute period. For exhaust gas Opacity sampling and analyzing cycle shall be completed every successive 10 second period and data recording cycle shall be completed every successive 6 minute period. [District NSR Rule; District Rule 1080, 4.0; & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
41. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
42. Operator shall install, operate, and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
43. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2], [Federally Enforceable Through Title V]
44. Records of continuous emissions monitoring system shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
45. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
46. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 2520, 9.6.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
47. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. Excess emissions shall be defined as any three-hour period during which emissions of SO_x or NO_x as measured by CEM system exceeds the SO_x and NO_x maximum emission limits set forth for each the pollutants in this permit except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
48. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0], [Federally Enforceable Through Title V]
49. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
50. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
51. Baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
52. Bags shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
53. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-15-0

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

BAGHOUSE SERVING THE CIRCULATING FLUIDIZED BED BOILER #1 **** PERMIT COMBINED WITH N-645-14-0 ***

PERMIT UNIT REQUIREMENTS

1. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. []
2. A spare set of each type of bags shall be maintained on the premises at all times. The number of bags shall be sufficient to provide full replacements bags for the largest fabric filter using each type of bags. []
3. Collected particulate matter shall be disposed of in a manner which prevents entrainment of the material into the ambient air. []
4. Annual source testing for NO_x, SO_x, HC, CO and PM shall be conducted using methods and procedures approved by the District. A pretest plan outlining test methods, procedures and operating parameters shall be submitted for approval 30 days in advance. []
5. The results of each source test shall be submitted for District's evaluation no later than 30 days after the testing date. []
6. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. []
7. The boiler may be fired on Western United States Coal, Canadian Coal or fuel oil #2. []
8. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 btu/hr. []
9. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. []
10. A log of daily quantity of fuel oil consumption shall be kept on the premise at all times and shall be made available for District inspection upon request. []
11. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). []
12. The flue gas temperature entering the fabric filter shall be maintained at 50 degrees Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. []
13. The Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 degrees Fahrenheit is provided during normal operations. []
14. The boiler shall be equipped with automatic air/fuel ratio control system. []
15. The overall excess air in the circulating fluidized bed shall not exceed 35 percent. This limit shall not apply during start-up or shutdown periods not exceeding 16 hours for each occurrence. []
16. An ultimate analysis for each stock of fuel (coal or oil) received shall be maintained on the premises at all times and shall be made available for District inspection upon request. []
17. The total net electrical output of the Cogeneration Facility shall not exceed 45 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. []
18. Natural gas or fuel oil #2 burners shall be used during start-up to reach the solid fuel ignition temperature throughout the combustor before feeding any solid fuel. []
19. The stack height shall be 150 feet. []
20. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. []
21. The permittee shall provide, properly install and maintain in good working order continuous monitoring and recording systems to measure NO_x, SO_x, CO, opacity and CO₂ or O₂. []
22. The averaging time for SO_x and NO_x monitoring and recording systems shall not exceed 15 minutes. []

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23. All continuous monitoring and recording instruments shall be installed, calibrated and operated in accordance with the requirements of 40 CFR, Part 51. []
24. Any emissions in excess of the limits imposed by these conditions as measured by the continuous monitoring equipment constitute a violation of the District's Rules and Regulations. []
25. When firing on fuel oil #2, the particulate matter emissions shall not exceed 120 pounds during any one day and 5 pounds during any one hour. []
26. When firing on fuel oil #2, the LAER for SO_x shall be the more restrictive of 313 lb/day of emissions or a SO_x removal efficiency of no less than 70% by weight (using a three consecutive hour averaging time.) []
27. The SO_x removal efficiency shall be documented using the Continuous Emission Monitoring Systems. []
28. When firing on fuel oil #2, the LAER for NO_x shall be 75 lbs/day. []
29. When firing on fuel oil #2, the LAER for CO shall be 345 pounds of emissions during any one day and 14.4 pounds per hour using a three consecutive hour averaging time. []
30. The nonmethane hydrocarbon emissions from the entire stationary source shall not exceed 150 pounds during any one day. []
31. When firing coal, the particulate matter emissions shall not exceed 120 pounds during any one day and 5 pounds per hour using a three consecutive hour averaging time. []
32. An hourly PM emission rate of 6.15 lb/hr when using SCAQMD Method 5.3/6.1 shall be accepted as proof of compliance with the 5 lb/hr emission limit for coal firing. []
33. When firing coal, the LAER for SO_x shall be the more restrictive of 313 lb/day or removal efficiency of no less than 70% by weight (using a three consecutive hour averaging time). []
34. The SO_x removal efficiency shall be documented using the Continuous Emission Monitoring Systems. []
35. When firing coal, the LAER for NO_x shall be the more restrictive of 295 lbs/day or 0.04 lbs/MMBtu (using a 24 hour averaging time). []
36. The combustion temperature shall be maintained below 1,600 degrees Fahrenheit at all times. []
37. When firing coal, the LAER for CO shall be 950 pounds of emissions during any one day. []
38. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. []
39. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer. []
40. The maximum allowable emissions for each pollutant shall be limited to Lowest Achievable Emission Rate (LAER) for each pollutant as determined by source testing for each fuel. []
41. Under no circumstances, except for CO, shall the actual emission rates exceed the levels indicated by these permit conditions. []

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-16-5

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #B UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE. THIS BOILER SERVES AN ELECTRIC GENERATOR.

PERMIT UNIT REQUIREMENTS

1. The total net electrical output of the Cogeneration Facility shall not exceed 45 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. [District NSR Rule and the California Health and Safety Code, Section 42314], [Federally Enforceable Through Title V]
2. The operator shall install, continuously operate, and maintain limestone injection for control of SOx emissions. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 degrees Fahrenheit is provided during normal operations. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
3. The boiler shall be equipped with automatic air/fuel ratio control system. [District NSR Rule], [Federally Enforceable Through Title V]
4. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). [District NSR Rule], [Federally Enforceable Through Title V]
5. The flue gas temperature entering the fabric filter shall be maintained at 50 degrees Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
7. Replacement bags numbering at least 10% of the total number of bags in the largest fabric filter using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
8. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
9. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer. [District NSR Rule], [Federally Enforceable Through Title V]
10. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
11. Material removed from the fabric filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
12. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
13. The boiler may be fired on Western United States Coal, Canadian Coal, Petroleum Coke, or tire derived fuel. The boiler may also fire on fuel oil #2, or natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
14. The fuel switch over period is defined as the time the boiler is switched from solid fuel to fuel oil #2 for a period not to exceed 3 consecutive hours per occurrence. At the end of the three hour time limit, if the boiler continues to fire on fuel oil, then the fuel oil #2 emission limits for NOx, and CO will be enforced. [District NSR Rule]
15. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total solid fuels used at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
16. Natural gas or fuel oil #2 shall be used during start-up to heat the boiler to solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
17. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 Btu/hr. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
18. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]

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19. The 3-hour averaging NSR emission limits of this permit shall not apply during startup and shutdown periods as defined in District Rule 4352 - "Solid Fuel Fired Boilers, Steam Generators, and Process Heaters." [District NSR Rule and District Rule 4352], [Federally Enforceable Through Title V]
20. No gases which exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity shall be discharged into the atmosphere from this boiler. [40 CFR 60.42a(b)], [Federally Enforceable Through Title V]
21. The VOC emissions from the entire stationary source shall not exceed 150 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
22. The Particulate Matter emissions shall not exceed 5 pounds per hour. [District NSR Rule & District Rules 4201 & 4301], [Federally Enforceable Through Title V]
23. The PM10 emissions shall not exceed 5 pounds per hour. [District NSR Rule], [Federally Enforceable Through Title V]
24. The SOx emissions shall be more restrictive of all of following: 13.04 lb/hr or 0.29 lb/MMBtu (24-hour average) from each boiler and 26.0 lb/hr (24-hour average) or 50.0 lb/hr (3-hour average) from stack common to both boilers. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
25. When firing on solid fuels or fuel oil #2 during fuel switch over periods, the NOx emissions shall be the more restrictive of all of following: 12.29 lb/hr or 0.04 lb/MMBtu (24-hour average) from each boiler and 42.0 lb/hr or 0.075 lb/MMBtu (3-hour average) from stack common to both boilers. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
26. When firing on fuel oil #2, the NOx emissions shall not exceed 3.13 pounds per hour using a 24 hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
27. NOx emissions from startup duct burners shall not exceed 0.15 lb/MMBtu (3 hour average) when firing on natural gas or distillate fuel oil. [PSD ATC SJ 85-05]
28. When firing on solid fuels or fuel oil #2 during fuel switch over periods, the CO emissions shall not exceed 39.58 pounds per hour using a 24 hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
29. When firing on fuel oil #2, the CO emissions shall not exceed 14.4 pounds per hour using a 24 hour rolling average. [District NSR Rule], [Federally Enforceable Through Title V]
30. If solid fuel or liquid fuel is used for a period of less than 24 hours (except for fuel switch over periods), the hourly emission limitations for NOx, CO, and SOx shall be determined by averaging the recording points from the continuous emission monitoring system taken during that time period. [District NSR Rule], [Federally Enforceable Through Title V]
31. Performance testing for the NOx, CO, VOC, SOx, and PM10 shall be conducted on an annual basis for combustion of solid fuels. [District NSR Rule & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
32. Performance testing for NOx, SOx, VOC, CO, and PM10 shall also be performed for combustion of fuel oil in any year that the fuel oil consumption rate exceeds 242,900 gallons. [District NSR Rule], [Federally Enforceable Through Title V]
33. Performance testing shall be conducted using following test methods; for NOx EPA Methods 1-4 and 7E or ARB Method 100; for SOx EPA Methods 1-4 and 6C or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM10 EPA Method 201A in combination with EPA Method 202 or ARB Method 501 in combination with ARB Method 5 and EPA Method 5 (Front half only) or CARB Method 5 (excluding ammonia sulfate compounds) for PM; and for VOC EPA Method 25 or ARB Method 100. [District Rule 4352, 6.4; District Rule 2520, 9.4.2; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
34. For performance testing, stack gas velocity and volumetric flow rate shall be measured using EPA method 2 or CARB method 2, stack gas oxygen shall be measured using EPA methods 3 or 3A or CARB method 100, and stack gas moisture content shall be measured using EPA method 4 or CARB method 4. [District NSR Rule], [Federally Enforceable Through Title V]
35. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rule 1081, 3.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
36. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
37. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
38. Performance testing for hourly emission rates for NOx, CO, VOC, SOx, and PM10 shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District NSR Rule and District Rule 1081], [Federally Enforceable Through Title V]
39. In lieu of performing a source test for PM10, the results of the total particulate test may be used for compliance with the PM10 emissions limit. [District NSR Rule], [Federally Enforceable Through Title V]

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40. Operator shall install, operate, and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO_x, SO₂, and CO or O₂ concentrations. For NO_x, SO₂, and CO or O₂ concentrations sampling, analyzing, and data recording cycle shall be completed every successive 15 minute period. For exhaust gas Opacity sampling and analyzing cycle shall be completed every successive 10 second period and data recording cycle shall be completed every successive 6 minute period. [District NSR Rule; District Rule 1080, 4.0; & PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
41. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
42. Operator shall install, operate, and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
43. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2], [Federally Enforceable Through Title V]
44. Records of continuous emissions monitoring system shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
45. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
46. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 2520, 9.6.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
47. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. Excess emissions shall be defined as any three-hour period during which emissions of SO_x or NO_x as measured by CEM system exceeds the SO_x and NO_x maximum emission limits set forth for each the pollutants in this permit except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
48. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0], [Federally Enforceable Through Title V]
49. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
50. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
51. Baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
52. Bags shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
53. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-17-0

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

BAGHOUSE SERVING THE CIRCULATING FLUIDIZED BED BOILER #2 **** PERMIT COMBINED WITH N-645-16-0 ***

PERMIT UNIT REQUIREMENTS

1. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good condition at all times and shall be located in an easily accessible location. []
2. A spare set of each type of bags shall be maintained on the premises at all times. The number of bags shall be sufficient to provide full replacements bags for the largest fabric filter using each type of bags. []
3. Collected particulate matter shall be disposed of in a manner which prevents entrainment of the material into the ambient air. []
4. Annual source testing for NOx, SOx, HC, CO and PM shall be conducted using methods and procedures approved by the District. A pretest plan outlining test methods, procedures and operating parameters shall be submitted for approval 30 days in advance. []
5. The results of each source test shall be submitted for District's evaluation no later than 30 days after the testing date. []
6. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. []
7. The boiler may be fired on Western United States Coal, Canadian Coal or fuel oil #2. []
8. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 btu/hr. []
9. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. []
10. A log of daily quantity of fuel oil consumption shall be kept on the premise at all times and shall be made available for District inspection upon request. []
11. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). []
12. The flue gas temperature entering the fabric filter shall be maintained at 50 degrees Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. []
13. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 degrees Fahrenheit is provided during normal operations. []
14. The boiler shall be equipped with automatic air-fuel ratio control system. []
15. The overall excess air in the circulating fluidized bed shall not exceed 35 percent. This limit shall not apply during start-up or shutdown periods not exceeding 16 hours for each occurrence. []
16. An ultimate analysis for each stock of fuel (coal or oil) received shall be maintained on the premises at all times and shall be made available for District inspection upon request. []
17. The total net electrical output of the Cogeneration Facility shall not exceed 45 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. []
18. Natural gas or fuel oil #2 burners shall be used during start-up to reach the solid fuel ignition temperature throughout the combustor before feeding any solid fuel. []
19. The stack height shall be 150 feet. []
20. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. []
21. The permittee shall provide, properly install and maintain in good working order continuous monitoring and recording systems to measure NOx, SOx, CO, opacity and CO2 or O2. []
22. The averaging time for SOx and NOx monitoring and recording systems shall not exceed 15 minutes. []

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23. All continuous monitoring and recording instruments shall be installed, calibrated and operated in accordance with the requirements of 40 CFR, Part 51. []
24. Any emissions in excess of the limits imposed by these conditions as measured by the continuous monitoring equipment constitute a violation of the District's Rules and Regulations. []
25. When firing on fuel oil #2, the particulate matter emissions shall not exceed 120 pounds during any one day and 5 pounds during any one hour. []
26. When firing on fuel oil #2, the LAER for SOx shall be the more restrictive of 313 lb/day of emissions or a SOx removal efficiency of no less than 70% by weight (using a three consecutive hour averaging time). []
27. The SOx removal efficiency shall be documented using the Continuous Emission Monitoring Systems. []
28. When firing on fuel oil #2, the LAER for NOx shall be 75 lbs./day. []
29. When firing on fuel oil #2, the LAER for CO shall be 345 pounds of emissions during any one day and 14.4 pounds per hour using a three consecutive hour averaging time. []
30. The nonmethane hydrocarbon emissions from the entire stationary source shall not exceed 150 pounds during any one day. []
31. When firing coal, the particulate matter emissions shall not exceed 120 pounds during any one day and 5 pounds per hour using a three consecutive hour averaging time. []
32. An hourly PM emission rate of 6.15 lb/hr when using SCAQMD Method 5.3/6.1 shall be accepted as proof of compliance with the 5 lb/hr emission limit for coal firing. []
33. When firing coal, the LAER for SOx shall be the more restrictive of 313 lb/day or a removal efficiency of no less than 70% by weight (using a three consecutive hour averaging time). []
34. The SOx removal efficiency shall be documented using the Continuous Emission Monitoring Systems. []
35. When firing coal, the LAER for NOx shall be the more restrictive of 295 lbs/day or 0.04 lbs/MMBtu (using a 24 hour averaging time). []
36. The combustion temperature shall be maintained below 1,600 degrees Fahrenheit at all times. []
37. When firing coal, the LAER for CO shall be 950 pounds of emissions during any one day. []
38. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. []
39. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer. []
40. The maximum allowable emissions for each pollutant shall be limited to Lowest Achievable Emission Rate (LAER) for each pollutant as determined by source testing for each fuel. []
41. Under no circumstances, except for CO, shall the actual emission rates exceed the levels indicated by these permit conditions. []

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PERMIT UNIT: N-645-18-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE SCALPER-SPLITTER SCREEN #1 *** THIS PERMIT IS COMBINED WITH N-645-3-1 ***

PERMIT UNIT REQUIREMENTS

1. The coal/coke scalper/splitter screens shall be totally enclosed. []
2. There shall be no visible emissions from the entire system. []
3. PM10 emissions shall not exceed 0.1 pounds in any one day. []

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PERMIT UNIT: N-645-19-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE SCALPER-SPLITTER SCREEN #2 ** THIS PERMIT IS COMBINED WITH N-645-4-1 ***

PERMIT UNIT REQUIREMENTS

1. The coal/coke scalper/splitter screen shall be totally enclosed. []
2. There shall be no visible emissions from the entire system. []
3. PM10 emissions shall not exceed 0.1 pounds in any one day. []

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Air Pollution Control District

PERMIT UNIT: N-645-20-2

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:
EMERGENCY COAL/COKE FEED HOPPER.

PERMIT UNIT REQUIREMENTS

1. The coal discharge into the feed hopper shall be maintained adequately moist to prevent excessive fugitive particulate matter emissions. [District NSR Rule], [Federally Enforceable Through Title V]
2. The emergency feed system shall only be used during the breakdown of the main coal transfer system. The use of the emergency feed system shall not exceed 24 consecutive hours per breakdown occurrence. [District NSR Rule], [Federally Enforceable Through Title V]
3. The daily throughput shall not exceed 2,400 tons in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
4. Permittee shall maintain a log consisting of date and duration of hours of emergency feed system usage and daily throughput during each during each use. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: N-645-21-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE RECEIVING TRUCK DUMP STATION *** COMBINED WITH N-645-2-1 ***

PERMIT UNIT REQUIREMENTS

1. Operational water sprays shall be maintained on both sides of both receiving hoppers and at all other transfer points. []
2. All conveyor transfer points shall be enclosed. []
3. The ratio of surface active agent to water shall be no less than 1:3500 by volume. []
4. The solution supply at the inlet to the nozzles shall be equipped with an operational flow meter. The flow meter shall have a totalizer. []
5. The sprays shall be activated automatically as soon as the dump truck begins unloading. []
6. The receiving hoppers shall be maintained at the full level at all times. The belt shall be stopped automatically as soon as the dump truck is empty and the flow of the material to the receiving hoppers has ceased. []
7. Coal/coke shall be choke fed into the receiving hoppers at all times, except for immediately after the start of unloading. []
8. The coal/coke dumping process shall be limited to bottom dump trucks with automatic discharge gates. The discharge gates shall be open to the maximum opening position to assist in choke feeding. []
9. All conveyors shall be covered. []
10. A minimum of 2.5 gallons of wetting solution shall be sprayed per ton of coal/coke unloaded at the coal/coke station. This condition does not apply to coal/coke received through Delta Bulk Terminal's rail car unloading system. []
11. The PM10 emissions shall not exceed 0.5 pounds in any one day. []

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PERMIT UNIT: N-645-22-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE RECEIVING BELT FEEDER & SILO CONVEYOR *** COMBINED WITH N-645-2-1 ***

PERMIT UNIT REQUIREMENTS

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1. Operational water spray nozzles shall be maintained at all transfer points, and shall be used when necessary to prevent fugitive emissions. []
 2. All conveyor transfer points shall be totally enclosed. []
 3. All conveyors shall be covered. []

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Air Pollution Control District

PERMIT UNIT: N-645-23-2

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

20,000 TON EMERGENCY COAL/COKE STOCKPILE.

PERMIT UNIT REQUIREMENTS

1. A mobile water spray shall be used to prevent fugitive emissions while forming the emergency stockpile. [District NSR Rule], [Federally Enforceable Through Title V]
2. The emergency stockpile shall be sealed immediately following compaction. [District NSR Rule], [Federally Enforceable Through Title V]
3. The total time needed for forming, compacting, and sealing the emergency stockpile shall not exceed three weeks. [District NSR Rule], [Federally Enforceable Through Title V]
4. Any reclaiming from the stockpile shall be limited to emergency circumstances. An interruption in coal/coke supply lasting more than 4 days shall constitute an emergency circumstance. [District NSR Rule], [Federally Enforceable Through Title V]
5. The emergency stockpile shall not contain more than 20,000 tons at any time. [District NSR Rule], [Federally Enforceable Through Title V]
6. Permittee shall maintain a log consisting amount of coal/coke stockpiled on continuous basis and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: N-645-24-4

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

NEBRASKA 79 MILLION BTU/HR AUXILIARY BOILER (MODEL NS-E-57) EQUIPPED WITH FLUE GAS RECIRCULATION AND LOW NOX BURNER.

PERMIT UNIT REQUIREMENTS

1. The auxiliary boiler shall only be operated when both circulating fluidized bed boilers (N-645-14 & N-645-16) are shut down except for the switching over period which shall not exceed 16 hours for each event. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
2. This boiler shall only be fired on natural gas or fuel oil #2. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
3. Fuel oil #2 shall only be used during a natural gas curtailment for a period not to exceed 336 cumulative hours during any one calendar year plus 48 cumulative hours during any one calendar year for equipment testing and maintenance. [District Rule 4305]
4. Maintain a log of the cumulative annual hours of operation on #2 fuel oil during natural gas curtailment and during testing. [District Rule 4305]
5. The sulfur content of the fuel oil shall not exceed .25% by weight for any single delivery. The average sulfur content of the fuel oil used shall not exceed .20% by weight during any 30 day period. [District NSR Rule], [Federally Enforceable Through Title V]
6. An analysis for each lot of fuel oil received shall be maintained on the premise at all times and shall be made available for District inspection upon request. The analysis shall include the sulfur and nitrogen content of the fuel oil. The sulfur content shall be determined using ASTM method D 2880-71. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. NOx emissions concentration shall not exceed 30 ppmv, dry, @ 3% O2 or 0.036 lbs/MMBtu when fired on gaseous fuels. The source test plan shall identify which basis will be used to demonstrate compliance. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
8. CO emissions concentration shall not exceed 400 ppmv, dry, @ 3% O2 when fired on gaseous fuels. [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
9. The emission concentration shall not exceed the following: 0.0028 lbs/MMBtu for VOC; 0.014 lbs/MMBtu for PM10; and 0.0028 lbs/MMBtu for SOx when combusting natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
10. The emission concentration shall not exceed the following: 0.106 lbs/MMBtu for NOx; 0.038 lbs/MMBtu for CO; 0.0014 lbs/MMBtu for VOC; 0.0143 lbs/MMBtu for PM10; and 0.27 lbs/MMBtu for SOx when combusting fuel oil #2. [District NSR Rule], [Federally Enforceable Through Title V]
11. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301], [Federally Enforceable Through Title V]
12. Performance testing for the NOx and CO emissions shall be conducted as required by Rule 4305 (Boilers, Steam Generators, and Process Heaters). [District Rule 4305 and District NSR Rule], [Federally Enforceable Through Title V]
13. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
14. Performance testing shall be witnessed or authorized by the District personal. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.1, 7.2, & 7.3], [Federally Enforceable Through Title V]
15. Performance testing shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District Rule 1081, 6.0], [Federally Enforceable Through Title V]
16. EPA Method 7E or CARB Method 100 shall be used to determine the concentration of oxides of nitrogen, measured as NO2. [District Rule 4305], [Federally Enforceable Through Title V]
17. EPA Method 10 or CARB Method 100 shall be used to determine the concentration of carbon monoxide. [District Rule 4305], [Federally Enforceable Through Title V]
18. EPA Method 3 or 3a, or CARB Method 100 shall be used to determine the stack gas oxygen. [District Rule 4305], [Federally Enforceable Through Title V]

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19. The stack concentration of NO_x (as NO₂), CO, and O₂ shall be measured and recorded at least on a monthly basis using a Testo 350 portable emission analyzer, or other District approved portable emission analyzer. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The permittee shall maintain records of the date and time of NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 3% O₂, and the O₂ concentration. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be retained at the facility for a period of no less than 5 years and shall be made available for District inspection upon request. [District Rule 4305 and District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
21. If the NO_x or CO concentrations, as measured by the Testo 350 or other District approved portable emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. The portable emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. Owner or operator shall not discharge or cause the discharge into the atmosphere SO₂ in excess of 26.0 lb/hr (24-hour average) or 50 lb/hr (3-hour average) from the auxiliary boiler. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
27. Owner or operator shall not discharge or cause the discharge into the atmosphere NO_x (as NO₂) in excess of 24.7 lb/hr (3-hour average) from the auxiliary boiler. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
28. Operator shall record and maintain the hours of auxiliary boiler operation and amounts and type of fuel fired. [PSD ATC SJ 85-05 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-25-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE DRIER #1 *** THIS PERMIT HAS BEEN COMBINED WITH N-645-3-1 ***

PERMIT UNIT REQUIREMENTS

1. The dryers exhaust shall be ducted to the boilers' freeboard. []
2. All transfer points in the drier feed and discharge shall be totally enclosed and non-vented. []
3. There shall be no visible emissions from the drier. []
4. The coal/coke processed in the two driers shall not exceed 700 tons in any one day. []

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PERMIT UNIT: N-645-26-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE DRIER #2 *** THIS PERMIT IS COMBINED WITH N-645-4-1 ***

PERMIT UNIT REQUIREMENTS

1. The drier exhaust shall be ducted to the boilers' freeboard. []
2. All transfer points in the drier feed and discharge shall be totally enclosed and non-vented. []
3. There shall be no visible emissions from the drier. []
4. The coal/coke processed in the two driers shall not exceed 700 tons in any one day. []

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PERMIT UNIT: N-645-27-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE CRUSHER #1 *** THIS PERMIT IS COMBINED WITH N-645-7-1 ***

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
4. There shall be no visible emissions from the baghouse. []
5. The baghouse shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. []
6. The coal/coke crusher shall be totally enclosed except for vents through a baghouse. []
7. The coal/coke processed by the two crushers shall not exceed 2,400 tons in any one day. []

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Air Pollution Control District

PERMIT UNIT: N-645-28-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

COAL/COKE CRUSHER #2 *** THIS PERMIT IS COMBINED WITH N-645-7-1 ***

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
4. There shall be no visible emissions from the baghouse. []
5. The baghouse shall have a maximum effective air to cloth ratio of 4.5 to 1, and shall be equipped with an automatic pulse jet cleaning mechanism. []
6. The coal/coke crusher shall be totally enclosed except for vents through a baghouse. []
7. The coal/coke processed by the two crushers shall not exceed 2,400 tons in any one day. []

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-29-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

200 H.P. EMERGENCY STANDBY DIESEL I.C. ENGINE DRIVEN COMPRESSOR.

PERMIT UNIT REQUIREMENTS

1. Emissions of combustion contaminants from the air compressor's diesel fired engine shall not exceed 0.1 grain/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
2. The engine shall be operated with the timing retarded four degrees relative to manufacturer standard recommended timing. [District NSR Rule], [Federally Enforceable Through Title V]
3. The NOx emissions shall not exceed 10 g/hp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. The diesel fuel sulfur content shall not exceed 0.25% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
5. Operation for other than maintenance purposes shall be limited to actual interruption of power by the serving utility. [District NSR Rule], [Federally Enforceable Through Title V]
6. The engine shall only be operated when both circulating fluidized bed boilers are shut down except for brief periods for testing and maintenance which shall not exceed more than 100 hours per year. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
7. The operator shall maintain daily records of hours of compressor operation (regular and maintenance hours) and amount & sulfur content (using ASTM Method D-2880) of fuel fired. Such records shall be made available for District inspection upon request. [District NSR Rule and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
8. The permittee shall submit in writing to the District a written report indicating the standard factory timing, the actual standard timing, date and person performing the timing adjustment. [District NSR Rule], [Federally Enforceable Through Title V]
9. On annual basis, the permittee shall provide the District with a written proof of the engine timing as determined by a competent person. [District NSR Rule], [Federally Enforceable Through Title V]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-31-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

FLY ASH REINJECTION SYSTEM VENTED THROUGH BOILER BAGHOUSE OR ASH SILO VENT FILTER.

PERMIT UNIT REQUIREMENTS

1. The ash pneumatic conveying system shall be enclosed whenever in operation, and vented only through the boiler baghouse or the ash silo vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
2. The fly ash reinjected shall not exceed 40 tons in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
3. Permittee shall record amount of fly ash reinjected on daily basis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: N-645-33-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

ONE (1) 355 HP CUMMINS MODEL NT855-G2 DIESEL FIRED EMERGENCY IC ENGINE POWERING AN ELECTRIC GENERATOR.

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
 2. The NOx emissions shall not exceed 262.7 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 3. The CO emissions shall not exceed 56.9 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 4. The VOC emissions shall not exceed 21 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 5. The PM10 emissions shall not exceed 18.4 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 6. The SOx emissions shall not exceed 17.5 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 7. The generator shall only be operated when both circulating fluidized bed boilers are shut down except for brief periods for testing and maintenance which shall not exceed more than 100 hours per year. [PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
 8. The operator shall maintain records of hours of engine operation (regular and maintenance hours) and amount & sulfur content (using ASTM Method D-2880) of fuel fired. Such records shall be made available for District inspection upon request. [District Rule 2520, 9.4.2 and PSD ATC SJ 85-05], [Federally Enforceable Through Title V]
 9. Sulfur compound emissions shall not exceed 2000 ppmv as SO2. [District Rule 4801], [Federally Enforceable Through Title V]

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-645-34-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

43,000 GALLONS PER MINUTE COOLING TOWER

PERMIT UNIT REQUIREMENTS

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1. The VOC emissions from the cooling tower shall not exceed 28.5 pounds in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
 2. Permittee shall maintain a log recording the amount of VOC containing material added each day. [District NSR Rule], [Federally Enforceable Through Title V]
 3. A list of materials added to the cooling tower and their VOC content shall be kept and made available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
 4. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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Air Pollution Control District

PERMIT UNIT: N-645-35-1

EXPIRATION DATE: 11/30/2005

EQUIPMENT DESCRIPTION:

RECLAIMED COAL RECEIVING AND STORAGE OPERATION SERVED BY A RECEIVING PIT AND DUST COLLECTORS.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
2. All feeding through the grizzly into the underground hopper shall be maintained in a choked flow condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
3. Particulate emissions from the discharge of the feeder shall be controlled by fabric filters with woven fiberglass bags with a PTFE membrane finish, or an equivalent approved by the APCO. [District NSR Rule], [Federally Enforceable Through Title V]
4. Particulate emissions from the conveyor transfer point shall be controlled by a fabric filter with woven fiberglass bags with a PTFE membrane finish, or an equivalent approved by the APCO. [District NSR Rule], [Federally Enforceable Through Title V]
5. The fabric filters shall have a maximum effective air to cloth ratio of 4.5 : 1 each and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
6. There shall be no visible emissions from the fabric filters. [District NSR Rule], [Federally Enforceable Through Title V]
7. The differential pressure across the bags shall not fall short of 1 inch water column and shall not exceed 5 inches water column. [District NSR Rule], [Federally Enforceable Through Title V]
8. All transfer points shall be totally enclosed. [District NSR Rule], [Federally Enforceable Through Title V]
9. The conveyor belts shall be covered. [District NSR Rule], [Federally Enforceable Through Title V]
10. Under no circumstance shall the existing truck dump station and the new receiving system (bulldozer pushing coal from stockpile to grizzly) operate simultaneously. [District NSR Rule], [Federally Enforceable Through Title V]
11. When receiving system is used for transporting coal to an emergency stockpile, it shall be done via a movable plough with flexible chutes. [District NSR Rule], [Federally Enforceable Through Title V]
12. The emissions from the emergency stockpile shall be controlled with a mobile water spray and a stockpile sealing system. [District NSR Rule], [Federally Enforceable Through Title V]
13. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
14. A spare set of each type of bags shall be maintained on the premises at all times. The number of bags shall be sufficient to provide full replacement bags for the largest fabric filter using each type of bags. [District NSR Rule], [Federally Enforceable Through Title V]
15. The baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Bags shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. Visible emissions from baghouse shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further receiving. Corrective action means that visible emissions are eliminated before next receiving event. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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